

## United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

# 

**Bib Data Sheet** 

**CONFIRMATION NO. 2108** 

SERIAL NUMBER 09/663,580	FILING OR 371(c)	<b>CLASS</b> 349	GROUP ART UNIT 2871	ATTORNEY DOCKET NO. 2803.64680
-----------------------------	------------------	---------------------	------------------------	--------------------------------------

#### APPLICANTS

Arihiro Takeda, Kawasaki-shi, JAPAN; Katsufumi Ohmuro, Kawasaki-shi, JAPAN; Yoshio Koike, Kawasaki-shi, JAPAN; Shingo Kataoka, Kawasaki-shi, JAPAN; Takahiro Sasaki, Kawasaki-shi, JAPAN; Takashi Sasabayashi, Kawasaki-shi, JAPAN; Hideaki Tsuda, Kawasaki-shi, JAPAN; Hideo Chida, Kawasaki-shi, JAPAN; Makoto Ohashi, Kawasaki-shi, JAPAN; Kenji Okamoto, Kawasaki-shi, JAPAN; Hisashi Yamaquchi, Kawasaki-shi, JAPAN; Minoru Otani, Kawasaki-shi, JAPAN; Makoto Morishige, Kawasaki-shi, JAPAN; Noriaki Furukawa, Kawasaki-shi, JAPAN; Tsuvoshi Kamada, Kawasaki-shi, JAPAN: Yoshinori Tanaka, Kawasaki-shi, JAPAN; Atuyuki Hoshino, Kawasaki-shi, JAPAN; Shougo Hayashi, Kawasaki-shi, JAPAN; Hideaki Takizawa, Kawasaki-shi, JAPAN; Takeshi Kinjou, Kawasaki-shi, JAPAN; Makoto Tachibanaki, Kawasaki-shi, JAPAN; Keiji Imoto, Kawasaki-shi, JAPAN; Tadashi Hasegawa, Kawasaki-shi, JAPAN; Hidefumi Yoshidajp, Kawasaki-shi, JAPAN; Hiroyasu Inoue, Kawasaki-shi, JAPAN; Yoji Tanigchi, Kawasaki-shi, JAPAN; Tetsuya Fujikawa, Kawasaki-shi, JAPAN; Satoshi Murata, Kawasaki-shi, JAPAN; Manabu Sawasaki, Kawasaki-shi, JAPAN; Tomonori Tanose, Yonago-shi, JAPAN; Siro Hirota, Kawasaki-shi, JAPAN; Masahiro Ikeda, Kawasaki-shi, JAPAN; Kunihiro Tashiro, Kawasaki-shi, JAPAN; Kouii Tashiro, Yonago-shi, JAPAN: Yasutoshi Tasaka, Kawasaki-shi, JAPAN; Takatoshi Mayama, Kawasaki-shi, JAPAN; Seiji Tanuma, Kawasaki-shi, JAPAN; Yohei Nakanishi, Kawasaki-shi, JAPAN;

# \*\* CONTINUING DATA \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

This application is a DIV of 09/097,027 06/12/1998 PAT 6,724,452

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*\*\*\*\*\*\*\*\*

JAPAN 9-155437 06/12/1997

Page 2 of 2

JAPAN 9-230982 08/27/1997 JAPAN 9-230991 08/27/1997 JAPAN 9-266937 09/30/1997 JAPAN 9-361384 12/26/1997 IF REQUIRED, FOREIGN FILING LICENSE GRANTED \*\* 11/06/2000 □ yes □ no Foreign Priority claimed STATE OR SHEETS TOTAL INDEPENDENT 35 USC 119 (a-d) conditions yes no Met after Allowance COUNTRY DRAWING **CLAIMS CLAIMS JAPAN** 246 20 Verified and Initials Acknowledged Examiner's Signature ADDRESS PATRICK G. BURNS GREER,BURNS & CRAIN, LTD. 300 S. WACKER DR.-25TH FLOOR CHICAGO, IL60606 TITLE VERTICALLY-ALIGNED (VA) LIQUID CRYSTAL DISPLAY DEVICE All Fees ☐ 1.16 Fees ( Filing ) ☐ 1.17 Fees ( Processing Ext. of FEES: Authority has been given in Paper FILING FEE No. \_\_\_\_\_ to charge/credit DEPOSIT ACCOUNT No. \_\_\_\_\_ for following: time) RECEIVED 928 ☐ 1.18 Fees ( Issue ) Other ☐ Credit